Author index to volume 247

Aarsman, A.J. see J. van Binsbergen 247 (1989) 293
Abe, T., K. Yamaki, M. Tsuda, V.K. Singh, S. Suzuki, R. McKinnon, D.C. Klein, L.A. Donoso and T. Shinohara, Rat pineal S-antigen: sequence analysis reveals presence of α-transducin homologous sequence 247 (1989) 307
Adler, M. see R.E. Sheridan 247 (1989) 448
Aisa, M.C. see R. Donato 247 (1989) 31
Akiyama, Y. see T. Takimoto 247 (1989) 173
Albuquerque, E.X. see M.T.R. Lima-Landman 247 (1989) 61
Andjaparidze, A.G. see M.S. Balayan 247 (1989) 425
Andreeva, N.S. see I.V. Pechik 247 (1989) 118
Andus, T. see V. Gross 247 (1989) 323
Anglade, P. see M. Yvon 247 (1989) 273
Aoyama, Y., Y.-L. Chan, O. Meyuhas and I.G. Wool, The primary structure of rat ribosomal protein L18a 247 (1989) 242
Arai, T. see H. Asai 247 (1989) 377
Arnaud, S. see M. Denis 247 (1989) 475
Asai, H., T. Arai, T. Fujii and G. Matsumoto, Purification and characterization of Ca^{2+}/calmodulin-dependent actin-binding proteins from squid retina 247 (1989) 377
Asai, K. see M. Naito 247 (1989) 358
Ase, K. see S. Sawamura 247 (1989) 353
Atrazhev, A. see T. Rozovskaya 247 (1989) 289
August, T. see V. Chhajlani 247 (1989) 279
Axton, J.M. see V. Dombrádi 247 (1989) 391

Bachellerie, J.-P. see M.-H. Renalier 247 (1989) 298
Baier, G. see A.K.E. Köpke 247 (1989) 167
Balayan, M.S., Yu.Yu. Kusov, A.G. Andjaparidze, S.A. Tsarev, E.D. Sverdlov, V.E. Chizhikov, V.M. Blinov and S.K. Vasilenko, Variations in genome fragments coding for RNA polymerase in human and simian hepatitis A viruses 247 (1989) 425
Balboni, G. see P.A. Temussi 247 (1989) 283
Bardgard, A. see B. Giardina 247 (1989) 135
Barker, J.L. see R. Urrutia 247 (1989) 17
Barnung, T. see O. Brix 247 (1989) 177
Barrett, A.J. see A. Ritonja 247 (1989) 419
Beabealashvilli, R. see T. Rozovskaya 247 (1989) 289
Benner, S.A. see G.M. McGeehan 247 (1989) 55
Berridge, M.J. see T.R. Cheek 247 (1989) 429
Berry, N. see S. Sawamura 247 (1989) 353
Black, R.A., S.R. Kronheim and P.R. Sleath, Activation of interleukin-1β by a co-induced protease 247 (1989) 386
Blakeley, D.M. see K.D. Brown 247 (1989) 227
Blinov, V.M. see M.S. Balayan 247 (1989) 425
Bock, C.H., A.J. van der Est, K. Brettel and D. Stehlik, Nanosecond electron transfer kinetics in photosystem I as obtained from transient EPR at room temperature 247 (1989) 91
Bogdanova, E.S. and S.Z. Mindlin, Two structural types of mercury reductases and possible ways of their evolution 247 (1989) 333
Bokoch, G.M. see L.A. Quilliam 247 (1989) 221
Bolgiano, B. see J.C. Salerno 247 (1989) 101
Borgund, S. see O. Brix 247 (1989) 177
Borlakoglu, J.T., J.D. Edwards-Webb, R.R. Dils, J.P.G. Wilkins and L.W. Robertson, Evidence for the induction of cytochrome P-452 in rat liver by Aroclor 1254, a commercial mixture of polychlorinated biphenyls 247 (1989) 327
Boteva, R. see Y. Kourteva 247 (1989) 468
Bourne, G.A., S. Das and N.W. Fahmy, The phorbol ester-induced extracellular Ca^{2+}-independent release of LH is dependent on estradiol and de novo protein synthesis 247 (1989) 159
Brash, A.R. see D.J. Hawkins 247 (1989) 9
Brattain, M.G. see N.M. Hoosein 247 (1989) 303
Breen, K.C., The developmental regulation of the L2/HNK-1 and L3 carbohydrate epitopes in mouse brain: Evidence for separate control of lipid- and protein-bound epitopes 247 (1989) 36
Brettel, K. see C.H. Bock 247 (1989) 91
Brigstock, D.R. see K.D. Brown 247 (1989) 227
Brix, O., S. Borgund, T. Barnung, A. Colosimo and B. Giardina, Endothermic oxygenation of hemocyanin in the krill *Meganyctiphanes norvegica* 247 (1989) 177
Brix, O. see B. Giardina 247 (1989) 135
Brown, A.J.P. see T. McNally 247 (1989) 312
Brown, K.D., D.M. Blakeley and D.R. Brigstock, Stimulation of polyphosphoinositide hydrolysis in Swiss 3T3 cells by recombinant fibroblast growth factors 247 (1989) 227
Broxterman, H.J., H.M. Pinedo, C.M. Kuiper, G.J. Schuurhuis and J. Lankelma, Glycolysis in P-glycoprotein-overexpressing human tumor cell lines: Effects of resistance-modifying agents 247 (1989) 405
Buche, A., A. Ouassaidi, R. Hacha, E. Delpire, R. Gilles and C. Houssier, Glycine and other amino compounds prevent chromatin precipitation at physiological ionic strength 247 (1989) 367
Buhl, T. see C. Ørskov 247 (1989) 193
Burch, R.M. see C.W. Tiffany 247 (1989) 189
Burgoyne, R.D. see T.R. Cheek 247 (1989) 429
Buttle, D.J. see A. Ritonja 247 (1989) 419

Calahorra, M., M. Opekarová, J. Ramirez and A. Peña, Leucine transport in plasma membrane vesicles of *Saccharomyces cerevisiae* 247 (1989) 235
Castell, J. see V. Gross 247 (1989) 323
Ceccarelli, P. see R. Donato 247 (1989) 31
Cesareni, G. see A. Treffry 247 (1989) 268
Chan, Y.-L. see Y. Aoyama 247 (1989) 242

Cheek, T.R., A.J. O'Sullivan, R.B. Moreton, M.J. Berridge and R.D. Burgoyne, Spatial localization of the stimulus-induced rise in cytosolic Ca^{2+} in bovine adrenal chromaffin cells: Distinct nicotinic and muscarinic patterns 247 (1989) 429
Cherfils, J., R.M. Sweet, S.A. Middleton, E.R. Kantrowitz, P. Tauc and P. Vachette, Structural consequences of a one atom mutation on aspartate transcarbamylase from *E. coli* 247 (1989) 361
Chhajlani, V., D. Derr, B. Earles, E. Schmell and T. August, Purification and partial amino acid sequence analysis of human erythrocyte acetylcholinesterase 247 (1989) 279
Chidgeavadze, Z. see T. Rozovskaya 247 (1989) 289
Chizhikov, V.E. see M.S. Balayan 247 (1989) 425
Chûjô, R. see Y. Yamamoto 247 (1989) 263
Chung, C.H. see J.H. Seol 247 (1989) 197
Citro, G., A. Verdina, R. Galati, G. Floris, S. Sabatini and A. Finazzi-Agrò, Production of antibodies against the coenzyme pyrroloquinoline quinone 247 (1989) 201
Cohen, J.S. see G. Navon 247 (1989) 86
Cohen, P.T.W. see V. Dombrádi 247 (1989) 391
Colosimo, A. see O. Brix 247 (1989) 177
Condò, S.G. see B. Giardina 247 (1989) 135
Cruciani, R.A. see R. Urrutia 247 (1989) 17

Dabrowska, R. see R. Makuch 247 (1989) 411
Das, S. see G.A. Bourne 247 (1989) 159
Dauter, M. see Z. Dauter 247 (1989) 1
Dauter, Z., M. Dauter, J. Hemker, H. Witzel and K.S. Wilson, Crystallisation and preliminary analysis of glucose isomerase from *Streptomyces albus* 247 (1989) 1
De Haas, G.H. see J. van Binsbergen 247 (1989) 293
De Larrinoa, I.F. see F. Portillo 247 (1989) 381
Deinhardt, F. see K. von der Helm 247 (1989) 349
Delacourte, A. see S. Flament 247 (1989) 213
Delannoy, P. and J. Montreuil, Deglycosylation of the chymotryptic collagen-binding fragment of human plasma fibronectin does not modify its affinity to denatured collagen 247 (1989) 25
Delpire, E. see A. Buche 247 (1989) 367
Denis, M., S. Arnaud and F. Malatesta, Hydrogen peroxide is the end product of oxygen reduction by the terminal oxidase in the marine bacterium *Pseudomonas nautica* 617 247 (1989) 475
Denisenko, O.N. and O.B. Yarchuk, Regulation of LacZ mRNA translatability in a cell-free system at heat shock by the last four sense codons 247 (1989) 251
Derr, D. see V. Chhajlani 247 (1989) 279
Dils, R.R. see J.T. Borlakoglu 247 (1989) 327
Dombrádi, V., J.M. Axton, D.M. Glover and P.T.W. Cohen, Molecular cloning and chromosomal localization of a novel *Drosophila* protein phosphatase 247 (1989) 391
Donato, R., I. Giambanco, M.C. Aisa and P. Ceccarelli, Identification of S-100 proteins and S-100-binding proteins in a detergent-resistant EDTA/KCl-extractable fraction from bovine brain membranes 247 (1989) 31
Donoso, L.A. see T. Abe 247 (1989) 307
Doucet, J.-P., S. Fournier, M. Parulekar and J.-M. Trifaró, Detection of low molecular mass GTP-binding proteins in chromaffin granules and other subcellular fractions of chromaffin cells 247 (1989) 127
Dunn, B.M. see A.D. Richards 247 (1989) 113
During, M.J., A. Freese, M.P. Heyes, K.J. Swartz, S.P. Markey, R.H. Roth and J.B. Martin, Neuroactive metabolites of L-tryptophan, serotonin and quinolinic acid, in striatal extracellular fluid: Effect of tryptophan loading 247 (1989) 438

Earles, B. see V. Chhajlani 247 (1989) 279
Eberle, J. see K. von der Helm 247 (1989) 349
Edwards-Webb, J.D. see J.T. Borlakoglu 247 (1989) 327
Ehring, R. see S. MacIntyre 247 (1989) 396
El Sherbini, S. see B. Giardina 247 (1989) 135
Eschbach, M.-L. see S. MacIntyre 247 (1989) 396

Fahmy, N.W. see G.A. Bourne 247 (1989) 159
Fedorov, A.A. see I.V. Pechik 247 (1989) 118
Fesenko, E.E. see G.B. Krapivinsky 247 (1989) 435
Fierro, J.F., M.A. Pajares and C. Hardisson, Calcium-dependent binding between calmodulin and lysozyme 247 (1989) 22
Filatov, G.N. see G.B. Krapivinsky 247 (1989) 435
Filatova, E.A. see G.B. Krapivinsky 247 (1989) 435
Finazzi-Agrò, A. see G. Citro 247 (1989) 201
Flament, S. and A. Delacourte, Abnormal tau species are produced during Alzheimer's disease neurodegenerating process 247 (1989) 213
Floris, G. see G. Citro 247 (1989) 201
Forbes, I.J., P.D. Zalewski, N.P. Hurst, C. Giannakis and M.W. Whitehouse, Zinc increases phorbol ester receptors in intact B-cells, neutrophil polymorphs and platelets 247 (1989) 445
Fothergill-Gilmore, L.A. see T. McNally 247 (1989) 312
Fournier, S. see J.-P. Doucet 247 (1989) 127
Freese, A. see M.J. During 247 (1989) 438
Fujii, T. see H. Asai 247 (1989) 377
Fuller, S.J. and P.H. Sugden, Protein synthesis in rat cardiac myocytes is stimulated at the level of translation by phorbol esters 247 (1989) 209
Funaki, C. see M. Naito 247 (1989) 358
Furukawa, S. see Y. Furukawa 247 (1989) 463
Furukawa, Y., N. Tomioka, W. Sato, E. Satoyoshi, K. Hayashi and S. Furukawa, Catecholamines increase nerve growth factor mRNA content in both mouse astroglial cells and fibroblast cells 247 (1989) 463
Furuya, M. see S. Tokutomi 247 (1989) 139

Galati, R. see G. Citro 247 (1989) 201
Gerok, W. see V. Gross 247 (1989) 323
Geurts van Kessel, A. see P.H.J. Riegman 247 (1989) 123
Giambanco, I. see R. Donato 247 (1989) 31
Giannakis, C. see I.J. Forbes 247 (1989) 445

Giardina, B., O. Brix, M. Nuutinen, S. El Sherbini, A. Bardgard, G. Lazzarino and S.G. Condò, Arctic adaptation in reindeer: The energy saving of a hemoglobin 247 (1989) 135
Giardina, B. see O. Brix 247 (1989) 177
Gilles, R. see A. Buche 247 (1989) 367
Glover, D.M. see V. Dombrádi 247 (1989) 391
Golubeva, E.E., G.A. Posypanova, A.D. Kondratyev, E.I. Melnik and E.S. Severin, The influence of nerve growth factor on the activities of adenylate cyclase and high-affinity GTPase in pheochromocytoma PC12 cells 247 (1989) 232
Goncharenko, E.N. see S.A. Novgorodov 247 (1989) 255
Goodacre, J.A. see C.A. Small 247 (1989) 205
Görisch, H. and K.-D. Jany, Archaebacterial malate dehydrogenase: the amino-terminal sequence of the enzyme from *Sulfolobus acidocaldarius* is homologous to the eubacterial and eukaryotic malate dehydrogenases 247 (1989) 259
Graves, M.C. see A.D. Richards 247 (1989) 113
Gross, V., T. Andus, J. Castell, D. Vom Berg, P.C. Heinrich and W. Gerok, *O*- and *N*-glycosylation lead to different molecular mass forms of human monocyte interleukin-6 247 (1989) 323
Gudz, T.I. see S.A. Novgorodov 247 (1989) 255
Günther, T. and J. Vormann, Na^+-independent Mg^{2+} efflux from Mg^{2+}-loaded human erythrocytes 247 (1989) 181
Gürtler, L. see K. von der Helm 247 (1989) 349
Gustchina, A.E. see I.V. Pechik 247 (1989) 118

Ha, D.B. see J.H. Seol 247 (1989) 197
Hacha, R. see A. Buche 247 (1989) 367
Hardisson, C. see J.F. Fierro 247 (1989) 22
Harrison, P.M. see A. Treffry 247 (1989) 268
Hawkins, D.J. and A.R. Brash, Mechanism of biosynthesis of 11*R*- and 12*R*-hydroxyeicosatetraenoic acids by eggs of the sea urchin *Strongylocentrotus purpuratus* 247 (1989) 9
Hayashi, K. see Y. Furukawa 247 (1989) 463
Hayashi, T. see M. Naito 247 (1989) 358
Heinrich, P.C. see V. Gross 247 (1989) 323
Hemker, J. see Z. Dauter 247 (1989) 1
Heyes, M.P. see M.J. During 247 (1989) 438
Hitaka, T. see T. Mizutani 247 (1989) 345
Hobson, C. see E.J. Penn 247 (1989) 13
Hoffman, B.J. and E. Mezey°, Distribution of serotonin 5-HT_{1C} receptor mRNA in adult rat brain 247 (1989) 453
Holst, J.J. see C. Ørskov 247 (1989) 193
Hood, D.A. and D. Pette, Chronic long-term electrostimulation creates a unique metabolic enzyme profile in rabbit fast-twitch muscle 247 (1989) 471
Hoosein, N.M., L. Thim, K.H. Jørgensen and M.G. Brattain, Growth stimulatory effect of pancreatic spasmolytic polypeptide on cultured colon and breast tumor cells 247 (1989) 303
Höppener, J.W.M. see S. Mosselman 247 (1989) 154
Houssier, C. see A. Buche 247 (1989) 367
Houweling, M., W.J. Vaartjes and L.M.G. van Golde, Isozymic forms of protein kinase C in regenerating rat liver 247 (1989) 487
Hurst, N.P. see I.J. Forbes 247 (1989) 445

Ichihara, A. see J.H. Seol 247 (1989) 197
Ichihara, Y. see H. Ishiguro 247 (1989) 317
Imamoto, F. see J. Takeda 247 (1989) 41
Imura, H. see J. Takeda 247 (1989) 41
Inagaki, Y. see T. Kashiwabara 247 (1989) 73
Ingledew, W.J. see J.C. Salerno 247 (1989) 101
Inoue, Y. see Y. Yamamoto 247 (1989) 263
Ishida, N., K. Tsujioka, M. Tomoi, K. Saida and Y. Mitsui, Differential activities of two distinct endothelin family peptides on ileum and coronary artery 247 (1989) 337
Ishiguro, H., Y. Ichihara, T. Namikawa, T. Nagatsu and Y. Kurosawa, Nucleotide sequence of *Suncus murinus* immunoglobulin μ gene and comparison with mouse and human μ genes 247 (1989) 317
Ishii, S. see J. Takeda 247 (1989) 41
Iwamatsu, A. see T. Kashiwabara 247 (1989) 73

Jansz, H.S. see S. Mosselman 247 (1989) 154
Jany, K.-D. see H. Görisch 247 (1989) 259
Johnson, D.R. and S.S. Wong, Conformational changes of type II regulatory subunit of cAMP-dependent protein kinase on cAMP binding 247 (1989) 480
Jönsson, L., O. Karlsson, K. Lundquist and P.O. Nyman, *Trametes versicolor* ligninase: isozyme sequence homology and substrate specificity 247 (1989) 143
Jørgensen, K.H. see N.M. Hoosein 247 (1989) 303
Joseph, N. see M.-H. Renalier 247 (1989) 298

Kachar, B. see R. Urrutia 247 (1989) 17
Kantrowitz, E.R. see J. Cherfils 247 (1989) 361
Kaplan, O. see G. Navon 247 (1989) 86
Karlsson, O. see L. Jönsson 247 (1989) 143
Kashiwabara, T., Y. Inagaki, H. Ohta, A. Iwamatsu, M. Nomizu, A. Morita and K. Nishikori, Putative precursors of endothelin have less vasoconstrictor activity in vitro but a potent pressor effect in vivo 247 (1989) 73
Kataoka, M. see S. Tokutomi 247 (1989) 139
Kato, M., S. Kawai and T. Takenawa, Defect in phorbol acetate-induced translocation of diacylglycerol kinase in erbB-transformed fibroblast cells 247 (1989) 247
Kawai, S. see M. Kato 247 (1989) 247
Kay, J. see A.D. Richards 247 (1989) 113
Keast, D., T. Nguyen and E.A. Newsholme, Maximal activities of glutaminase, citrate synthase, hexokinase, phosphofructokinase and lactate dehydrogenase in skin of rats and mice at different ages 247 (1989) 132
Kikkawa, U. see S. Sawamura 247 (1989) 353
Kitamura, T. see D. Segal 247 (1989) 217
Kitoh, T. see T. Takimoto 247 (1989) 173
Klaassen, P. see P.H.J. Riegman 247 (1989) 123
Klein, D.C. see T. Abe 247 (1989) 307
Kloetzel, P.M. see J. Schenkel 247 (1989) 51

Kofod, H. see C. Ørskov 247 (1989) 193
Kolberg, J. and P. Rougé, Further characterization of monoclonal antibody 6,F-8 reacting with *Lathyrus*, *Lens* and *Pisum* lectins 247 (1989) 77
Kondratyev, A.D. see E.E. Golubeva 247 (1989) 232
Köpke, A.K.E., G. Baier and B. Wittmann-Liebold, An archaebacterial gene from *Methanococcus vannielii* encoding a protein homologous to the ribosomal protein L10 family 247 (1989) 167
Koschel, K. see C. Weinmann-Dorsch 247 (1989) 185
Kourteva, Y. and R. Boteva, A novel extracellular subtilisin inhibitor produced by a *Streptomyces* sp. 247 (1989) 468
Krapivinsky, G.B., G.N. Filatov, E.A. Filatova, A.L. Lyubarsky and E.E. Fesenko, Regulation of cGMP-dependent conductance in cytoplasmic membrane of rod outer segments by transducin 247 (1989) 435
Krasnovsky, A.A. see N.N. Lebedev 247 (1989) 97
Krayevsky, A. see T. Rozovskaya 247 (1989) 289
Krayevsky, A.A. see G.B. Pyrinova 247 (1989) 57
Kronheim, S.R. see R.A. Black 247 (1989) 386
Kubota, M. see T. Takimoto 247 (1989) 173
Kuiper, C.M. see H.J. Broxterman 247 (1989) 405
Kukhanova, M. see T. Rozovskaya 247 (1989) 289
Kukhanova, M.M. see G.B. Pyrinova 247 (1989) 57
Kurosawa, Y. see H. Ishiguro 247 (1989) 317
Kusov, Yu.Yu. see M.S. Balayan 247 (1989) 425
Kuzminova, E.A. see G.B. Pyrinova 247 (1989) 57
Kuzuya, F. see M. Naito 247 (1989) 358
Kuzuya, M. see M. Naito 247 (1989) 358

Labbe, H. see J.A. Reynaud 247 (1989) 106
Lacal, J.-C. see L.A. Quilliam 247 (1989) 221
Lacerda, A.E. see S.D. Silberberg 247 (1989) 68
Lankelma, J. see H.J. Broxterman 247 (1989) 405
Lazzarino, G. see B. Giardina 247 (1989) 135
Lebedev, N.N., C.V. Ni and A.A. Krasnovsky, Reversible reorganization of the chlorophyll-protein complexes of photosystem II in cyanobacterium cells in the dark 247 (1989) 97
Lequoc, D. see J.A. Reynaud 247 (1989) 106
Lequoc, K. see J.A. Reynaud 247 (1989) 106
Lima-Landman, M.T.R. and E.X. Albuquerque, Ethanol potentiates and blocks NMDA-activated single-channel currents in rat hippocampal pyramidal cells 247 (1989) 61
Lips, C.J.M. see S. Mosselman 247 (1989) 154
Lundquist, K. see L. Jönsson 247 (1989) 143
Luzzago, A. see A. Treffry 247 (1989) 268
Lyon, R.C. see G. Navon 247 (1989) 86
Lyubarsky, A.L. see G.B. Krapivinsky 247 (1989) 435

MacIntyre, S., M.-L. Eschbach, H. Schwarz and R. Ehring, Topological analysis of the amino-terminal region of lactose permease using the *Escherichia coli* outer membrane protein, OmpA, as a marker 247 (1989) 396
Maeda, T. see K. Toda 247 (1989) 371
Magee, A.I. see E.J. Penn 247 (1989) 13
Makuch, R., M.P. Walsh and R. Dabrowska, Location of the calmodulin- and actin-binding domains at the C-terminus of caldesmon 247 (1989) 411
Malatesta, F. see M. Denis 247 (1989) 475
Marastoni, M. see P.A. Temussi 247 (1989) 283
Marbach, M. see H. Rottenberg 247 (1989) 483
Markey, S.P. see M.J. During 247 (1989) 438
Martin, J.B. see M.J. During 247 (1989) 438
Maruyama, N. see T. Mizutani 247 (1989) 345
Matsumoto, G. see H. Asai 247 (1989) 377
McCaffrey, P.G. see S. Sawamura 247 (1989) 353
McGeehan, G.M. and S.A. Benner, An improved system for expressing pancreatic ribonuclease in *Escherichia coli* 247 (1989) 55
McKinnon, R. see T. Abe 247 (1989) 307
McNally, T., I.J. Purvis, L.A. Fothergill-Gilmore and A.J.P. Brown, The yeast pyruvate kinase gene does not contain a string of non-preferred codons: revised nucleotide sequence 247 (1989) 312
Melnik, E.I. see E.E. Golubeva 247 (1989) 232
Meyuhas, O. see Y. Aoyama 247 (1989) 242
Mezey, E. see B.J. Hoffman 247 (1989) 453
Mezquita, C. see N. Rocamora 247 (1989) 415
Middleton, S.A. see J. Cherfils 247 (1989) 361
Mikawa, H. see T. Takimoto 247 (1989) 173
Minassian, S. see T. Rozovskaya 247 (1989) 289
Mindlin, S.Z. see E.S. Bogdanova 247 (1989) 333
Minowada, J. see S. Sawamura 247 (1989) 353
Mirzabekov, T.A. see L.A. Pronevich 247 (1989) 330
Mitsui, Y. see N. Ishida 247 (1989) 337
Mitsuuchi, Y. see K. Toda 247 (1989) 371
Mizutani, T., N. Maruyama, T. Hitaka and Y. Sukenaga, The detection of natural opal suppressor seryl-tRNA in *Escherichia coli* by the dot blot hybridization and its phosphorylation by a tRNA kinase 247 (1989) 345
Moffett, J.R., A. Namboodiri and J.H. Neale, Two forms of the $GABA_A$ receptor distinguished by anion-exchange chromatography 247 (1989) 81
Mohr, Yu.E. see S.A. Novgorodov 247 (1989) 255
Montreuil, J. see P. Delannoy 247 (1989) 25
Moreton, R.B. see T.R. Cheek 247 (1989) 429
Morita, A. see T. Kashiwabara 247 (1989) 73
Mosselman, S., J.W.M. Höppener, C.J.M. Lips and H.S. Jansz, The complete islet amyloid polypeptide precursor is encoded by two exons 247 (1989) 154

Nagatsu, T. see H. Ishiguro 247 (1989) 317
Nahorski, S.R. see R.J.H. Wojcikiewicz 247 (1989) 341
Naito, M., T. Hayashi, M. Kuzuya, C. Funaki, K. Asai and F. Kuzuya, Fibrinogen is chemotactic for vascular smooth muscle cells 247 (1989) 358
Nakasako, M. see S. Tokutomi 247 (1989) 139
Namboodiri, A. see J.R. Moffett 247 (1989) 81
Namikawa, T. see H. Ishiguro 247 (1989) 317
Navon, G., R.C. Lyon, O. Kaplan and J.S. Cohen, Monitoring the transport and phosphorylation of 2-deoxy-D-glucose in tumor cells in vivo and in vitro by ^{13}C nuclear magnetic resonance spectroscopy 247 (1989) 86

Neale, J.H. see J.R. Moffett 247 (1989) 81
Nelson, H. and N. Nelson, The progenitor of ATP synthases was closely related to the current vacuolar H^+-ATPase 247 (1989) 147
Nelson, N. see H. Nelson 247 (1989) 147
Newsholme, E.A. see D. Keast 247 (1989) 132
Nguyen, T. see D. Keast 247 (1989) 132
Ni, C.V. see N.N. Lebedev 247 (1989) 97
Nicolau, C. see J.A. Reynaud 247 (1989) 106
Nishikori, K. see T. Kashiwabara 247 (1989) 73
Nishizuka, Y. see S. Sawamura 247 (1989) 353
Nojima, S. see K. Toda 247 (1989) 371
Nomizu, M. see T. Kashiwabara 247 (1989) 73
Novgorodov, S.A., T.I. Gudz, Yu.E. Mohr, E.N. Goncharenko and L.S. Yaguzhinsky, ATP-synthase complex: the mechanism of control of ion fluxes induced by cumene hydroperoxide in mitochondria 247 (1989) 255
Nuutinen, M. see B. Giardina 247 (1989) 135
Nyman, P.O. see L. Jönsson 247 (1989) 143

Ørskov, C., T. Buhl, L. Rabenhøj, H. Kofod and J.J. Holst, Carboxypeptidase-B-like processing of the C-terminus of glucagon-like peptide-2 in pig and human small intestine 247 (1989) 193
Ohta, H. see T. Kashiwabara 247 (1989) 73
Opekarová, M. see M. Calahorra 247 (1989) 235
Ōsawa, A. see Y. Yamamoto 247 (1989) 263
O'Sullivan, A.J. see T.R. Cheek 247 (1989) 429
Ouassaidi, A. see A. Buche 247 (1989) 367

Pajares, M.A. see J.F. Fierro 247 (1989) 22
Park, S.C. see J.H. Seol 247 (1989) 197
Parulekar, M. see J.-P. Doucet 247 (1989) 127
Pechik, I.V., A.E. Gustchina, N.S. Andreeva and A.A. Fedorov, Possible role of some groups in the structure and function of HIV-1 protease as revealed by molecular modeling studies 247 (1989) 118
Peña, A. see M. Calahorra 247 (1989) 235
Penn, E.J., C. Hobson, D.A. Rees and A.I. Magee, The assembly of the major desmosome glycoproteins of Madin-Darby canine kidney cells 247 (1989) 13
Pette, D. see D.A. Hood 247 (1989) 471
Picone, D. see P.A. Temussi 247 (1989) 283
Pinedo, H.M. see H.J. Broxterman 247 (1989) 405
Poder, T.C. see S.D. Silberberg 247 (1989) 68
Portillo, F., I.F. de Larrinoa and R. Serrano, Deletion analysis of yeast plasma membrane H^+-ATPase and identification of a regulatory domain at the carboxyl-terminus 247 (1989) 381
Posypanova, G.A. see E.E. Golubeva 247 (1989) 232
Pronevich, L.A., T.A. Mirzabekov and Z.E. Rozhdestvenskaya, Mitochondrial porin regulates the sensitivity of anion carriers to inhibitors 247 (1989) 330
Purvis, I.J. see T. McNally 247 (1989) 312
Pyrinova, G.B., E.A. Kuzminova, R.I. Salganik, A.A. Krayevsky and M.M. Kukhanova, Inhibition of reverse transcription in rat liver intracisternal A-particles by thymidine derivatives 247 (1989) 57

Quilliam, L.A., J.-C. Lacal and G.M. Bokoch, Identification of *rho* as a substrate for botulinum toxin C_3-catalyzed ADP-ribosylation 247 (1989) 221

Rabenhøj, L. see C. Ørskov 247 (1989) 193
Ramirez, J. see M. Calahorra 247 (1989) 235
Rawlings, N.D. see A. Ritonja 247 (1989) 419
Rees, D.A. see E.J. Penn 247 (1989) 13
Rehm, H., Enzymatic deglycosylation of the dendrotoxin-binding protein 247 (1989) 28
Renalier, M.-H., N. Joseph and J.-P. Bachellerie, Clones containing variant forms of complete human rRNA genes: Characterization and sequence of their transcription initiation region 247 (1989) 298
Reynaud, J.A., H. Labbe, K. Lequoc, D. Lequoc and C. Nicolau, Electric field-induced fusion of mitochondria 247 (1989) 106
Richards, A.D., R. Roberts, B.M. Dunn, M.C. Graves and J. Kay, Effective blocking of HIV-1 proteinase activity by characteristic inhibitors of aspartic proteinases 247 (1989) 113
Riegman, P.H.J., R.J. Vlietstra, P. Klaassen, J.A.G.M. van der Korput, A. Geurts van Kessel, J.C. Romijn and J. Trapman, The prostate-specific antigen gene and the human glandular kallikrein-1 gene are tandemly located on chromosome 19 247 (1989) 123
Ritonja, A., A.D. Rowan, D.J. Buttle, N.D. Rawlings, V. Turk and A.J. Barrett, Stem bromelain: amino acid sequence and implications for weak binding of cystatin 247 (1989) 419
Roberts, R. see A.D. Richards 247 (1989) 113
Robertson, L.W. see J.T. Borlakoglu 247 (1989) 327
Rocamora, N. and C. Mezquita, Chicken spermatogenesis is accompanied by a genomic-wide loss of DNA methylation 247 (1989) 415
Romijn, J.C. see P.H.J. Riegman 247 (1989) 123
Roth, R.H. see M.J. During 247 (1989) 438
Rottenberg, H. and M. Marbach, Adenine nucleotides regulate Ca^{2+} transport in brain mitochondria 247 (1989) 483
Rougé, P. see J. Kolberg 247 (1989) 77
Rowan, A.D. see A. Ritonja 247 (1989) 419
Rozhdestvenskaya, Z.E. see L.A. Pronevich 247 (1989) 330
Rozovskaya, T., N. Tarussova, S. Minassian, A. Atrazhev, M. Kukhanova, A. Krayevsky, Z. Chidgeavadze and R. Beabealashvilli, Pyrophosphate analogues in pyrophosphorolysis reaction catalyzed by DNA polymerases 247 (1989) 289

Sabatini, S. see G. Citro 247 (1989) 201
Sagara, Y. see K. Toda 247 (1989) 371
Saida, K. see N. Ishida 247 (1989) 337
Sakai, J. see S. Tokutomi 247 (1989) 139
Salerno, J.C., B. Bolgiano and W.J. Ingledew, Potentiometric titration of cytochrome-*bo* type quinol oxidase of *Escherichia coli*:

evidence for heme-heme and copper-heme interaction 247 (1989) 101
Salganik, R.I. see G.B. Pyrinova 247 (1989) 57
Salvadori, S. see P.A. Temussi 247 (1989) 283
Sato, W. see Y. Furukawa 247 (1989) 463
Satoyoshi, E. see Y. Furukawa 247 (1989) 463
Sawamura, S., K. Ase, N. Berry, U. Kikkawa, P.G. McCaffrey, J. Minowada and Y. Nishizuka, Expression of protein kinase C subspecies in human leukemia-lymphoma cell lines 247 (1989) 353
Schenkel, J. and P.M. Kloetzel, In vitro reconstitution of hnRNP particles 247 (1989) 51
Schmell, E. see V. Chhajlani 247 (1989) 279
Schuurhuis, G.J. see H.J. Broxterman 247 (1989) 405
Schwarz, H. see S. MacIntyre 247 (1989) 396
Segal, D., Y. Shalitin, H. Wingert, T. Kitamura and P.J. Stang, The interaction of alkynyl carboxylates with serine enzymes: A potent new class of serine enzyme inhibitors 247 (1989) 217
Seino, Y. see J. Takeda 247 (1989) 41
Seol, J.H., S.C. Park, D.B. Ha, C.H. Chung, K. Tanaka and A. Ichihara, Na^+, K^+-specific inhibition of protein and peptide hydrolyses by proteasomes from human hepatoma tissues 247 (1989) 197
Serrano, R. see F. Portillo 247 (1989) 381
Severin, E.S. see E.E. Golubeva 247 (1989) 232
Shalitin, Y. see D. Segal 247 (1989) 217
Sheridan, R.E. and M. Adler, The actions of a red tide toxin from *Ptychodiscus brevis* on single sodium channels in mammalian neuroblastoma cells 247 (1989) 448
Shinohara, T. see T. Abe 247 (1989) 307
Shizuta, Y. see K. Toda 247 (1989) 371
Silberberg, S.D., T.C. Poder and A.E. Lacerda, Endothelin increases single-channel calcium currents in coronary arterial smooth muscle cells 247 (1989) 68
Singh, V.K. see T. Abe 247 (1989) 307
Sitaramam, V., Genetic code preferentially conserves long-range interactions among the amino acids 247 (1989) 46
Sleath, P.R. see R.A. Black 247 (1989) 386
Slotboom, A.J. see J. van Binsbergen 247 (1989) 293
Small, C.A., J.A. Goodacre and S.J. Yeaman, Hormone-sensitive lipase is responsible for the neutral cholesterol ester hydrolase activity in macrophages 247 (1989) 205
Stang, P.J. see D. Segal 247 (1989) 217
Stehlik, D. see C.H. Bock 247 (1989) 91
Sugden, P.H. see S.J. Fuller 247 (1989) 209
Sukenaga, Y. see T. Mizutani 247 (1989) 345
Suzuki, S. see T. Abe 247 (1989) 307
Suzuki, T. see Y. Yamamoto 247 (1989) 263
Sverdlov, E.D. see M.S. Balayan 247 (1989) 425
Swartz, K.J. see M.J. During 247 (1989) 438
Sweet, R.M. see J. Cherfils 247 (1989) 361

Takeda, J., S. Ishii, Y. Seino, F. Imamoto and H. Imura, Negative regulation of human insulin gene expression by the 5'-flanking region in non-pancreatic cells 247 (1989) 41
Takenawa, T. see M. Kato 247 (1989) 247
Takimoto, T., M. Kubota, S. Tsuruta, T. Kitoh, A. Tanizawa, Y. Akiyama and H. Mikawa, Cell cycle related change of Ara-C transport in HL-60 cells after differentiation induction 247 (1989) 173
Tanaka, K. see J.H. Seol 247 (1989) 197
Tancredi, T. see P.A. Temussi 247 (1989) 283
Tanizawa, A. see T. Takimoto 247 (1989) 173
Tarussova, N. see T. Rozovskaya 247 (1989) 289
Tauc, P. see J. Cherfils 247 (1989) 361
Temussi, P.A., D. Picone, T. Tancredi, R. Tomatis, S. Salvadori, M. Marastoni and G. Balboni, Conformational properties of deltorphin: new features of the δ-opioid receptor 247 (1989) 283
Terashima, M. see K. Toda 247 (1989) 371
Thim, L. see N.M. Hoosein 247 (1989) 303
Tiffany, C.W. and R.M. Burch, Bradykinin stimulates tumor necrosis factor and interleukin-1 release from macrophages 247 (1989) 189
Toda, K., M. Terashima, Y. Mitsuuchi, Y. Yamasaki, Y. Yokoyama, S. Nojima, H. Ushiro, T. Maeda, Y. Yamamoto, Y. Sagara and Y. Shizuta, Alternative usage of different poly(A) addition signals for two major species of mRNA encoding human aromatase P-450 247 (1989) 371
Tokunaga, F. see S. Tokutomi 247 (1989) 139
Tokutomi, S., M. Nakasako, J. Sakai, M. Kataoka, K.T. Yamamoto, M. Wad, F. Tokunaga and M. Furuya, A model for the dimeric molecular structure of phytochrome based on small-angle X-ray scattering 247 (1989) 139
Tomatis, R. see P.A. Temussi 247 (1989) 283
Tomioka, N. see Y. Furukawa 247 (1989) 463
Tomoi, M. see N. Ishida 247 (1989) 337
Trapman, J. see P.H.J. Riegman 247 (1989) 123
Treffry, A., P.M. Harrison, A. Luzzago and G. Cesareni, Recombinant H-chain ferritins: effects of changes in the 3-fold channels 247 (1989) 268
Trifaró, J.-M. see J.-P. Doucet 247 (1989) 127
Tsarev, S.A. see M.S. Balayan 247 (1989) 425
Tsuda, M. see T. Abe 247 (1989) 307
Tsujioka, K. see N. Ishida 247 (1989) 337
Tsuruta, S. see T. Takimoto 247 (1989) 173
Turk, V. see A. Ritonja 247 (1989) 419

Ullrich, S. and C.B. Wollheim, Galanin inhibits insulin secretion by direct interference with exocytosis 247 (1989) 401
Urrutia, R., R.A. Cruciani, J.L. Barker and B. Kachar, Spontaneous polymerization of the antibiotic peptide magainin 2 247 (1989) 17
Ushiro, H. see K. Toda 247 (1989) 371

Vaartjes, W.J. see M. Houweling 247 (1989) 487
Vachette, P. see J. Cherfils 247 (1989) 361

Van Binsbergen, J., A.J. Slotboom, A.J. Aarsman and G.H. de Haas, Synthetic peptide from lipocortin I has no phospholipase A_2 inhibitory activity 247 (1989) 293
Van der Est, A.J. see C.H. Bock 247 (1989) 91
Van der Korput, J.A.G.M. see P.H.J. Riegman 247 (1989) 123
Van Golde, L.M.G. see M. Houweling 247 (1989) 487
Vasilenko, S.K. see M.S. Balayan 247 (1989) 425
Verdina, A. see G. Citro 247 (1989) 201
Vlietstra, R.J. see P.H.J. Riegman 247 (1989) 123
Vom Berg, D. see V. Gross 247 (1989) 323
Von der Helm, K., L. Gürtler, J. Eberle and F. Deinhardt, Inhibition of HIV replication in cell culture by the specific aspartic protease inhibitor pepstatin A 247 (1989) 349
Vormann, J. see T. Günther 247 (1989) 181

Wada, M. see S. Tokutomi 247 (1989) 139
Wal, J.-M. see M. Yvon 247 (1989) 273
Walsh, M.P. see R. Makuch 247 (1989) 411
Weinmann-Dorsch, C. and K. Koschel, Coupling of viral membrane proteins to phosphatidylinositide signalling system 247 (1989) 185
Whitehouse, M.W. see I.J. Forbes 247 (1989) 445
Wilkins, J.P.G. see J.T. Borlakoglu 247 (1989) 327
Wilson, K.S. see Z. Dauter 247 (1989) 1
Wilson, S.P., Effects of mastoparan on catecholamine release from chromaffin cells 247 (1989) 239
Wingert, H. see D. Segal 247 (1989) 217
Wittmann-Liebold, B. see A.K.E. Köpke 247 (1989) 167
Witzel, H. see Z. Dauter 247 (1989) 1
Wojcikiewicz, R.J.H. and S.R. Nahorski, Phosphoinositide hydrolysis in permeabilized SH-SY5Y human neuroblastoma cells is inhibited by mastoparan 247 (1989) 341
Wollheim, C.B. see S. Ullrich 247 (1989) 401
Wong, S.S. see D.R. Johnson 247 (1989) 480
Wool, I.G. see Y. Aoyama 247 (1989) 242

Yaguzhinsky, L.S. see S.A. Novgorodov 247 (1989) 255
Yamaki, K. see T. Abe 247 (1989) 307
Yamamoto, K.T. see S. Tokutomi 247 (1989) 139
Yamamoto, Y., A. Ōsawa, Y. Inoue, R. Chûjô and T. Suzuki, Determination of the functionally important heme peripheral vinyl group orientation in paramagnetic hemoprotein by 2D NMR 247 (1989) 263
Yamamoto, Y. see K. Toda 247 (1989) 371
Yamasaki, Y. see K. Toda 247 (1989) 371
Yarchuk, O.B. see O.N. Denisenko 247 (1989) 251
Yeaman, S.J. see C.A. Small 247 (1989) 205
Yokoyama, Y. see K. Toda 247 (1989) 371
Yvon, M., P. Anglade and J.-M. Wal, Binding of benzyl penicilloyl to human serum albumin: Evidence for a highly reactive region at the junction of domains 1 and 2 of the albumin molecule 247 (1989) 273

Zalewski, P.D. see I.J. Forbes 247 (1989) 445